



# The Scientific Revolution

- Entrance task: Think: What was going on in Europe during the time of Copernicus (1500s) and Galileo (1600s) that may have contributed to the attitudes toward their new ideas?
- Today's class: The Scientific Revolution
- Homework: Sources readings p. 29-31

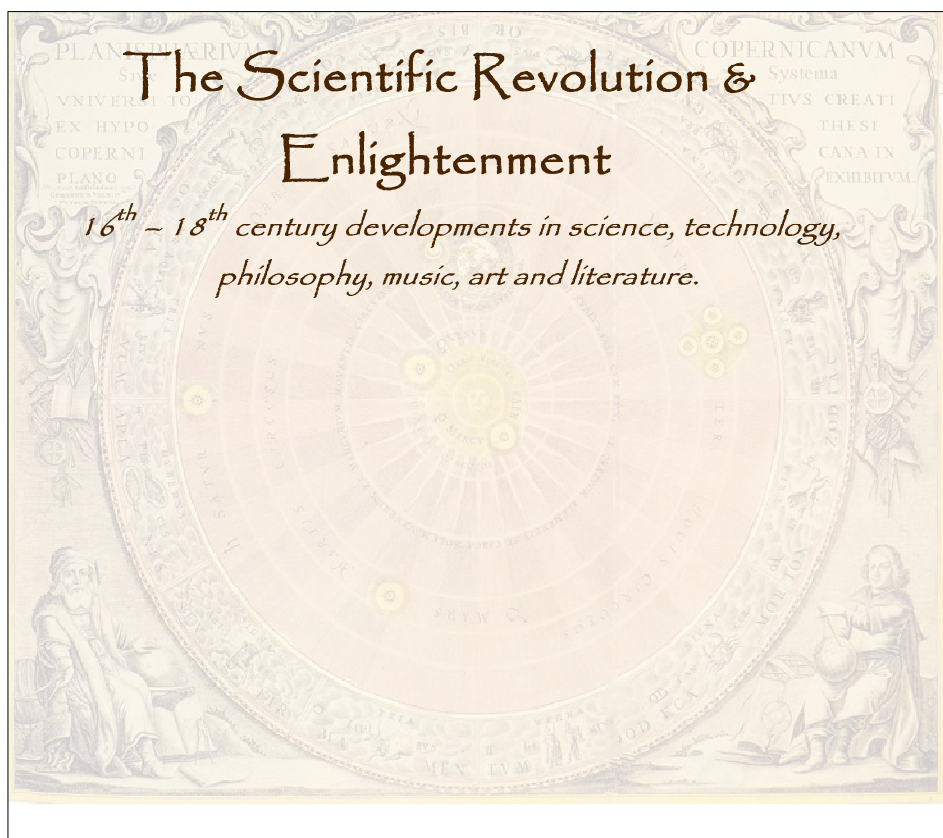
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## Things to make you say "hmmm"

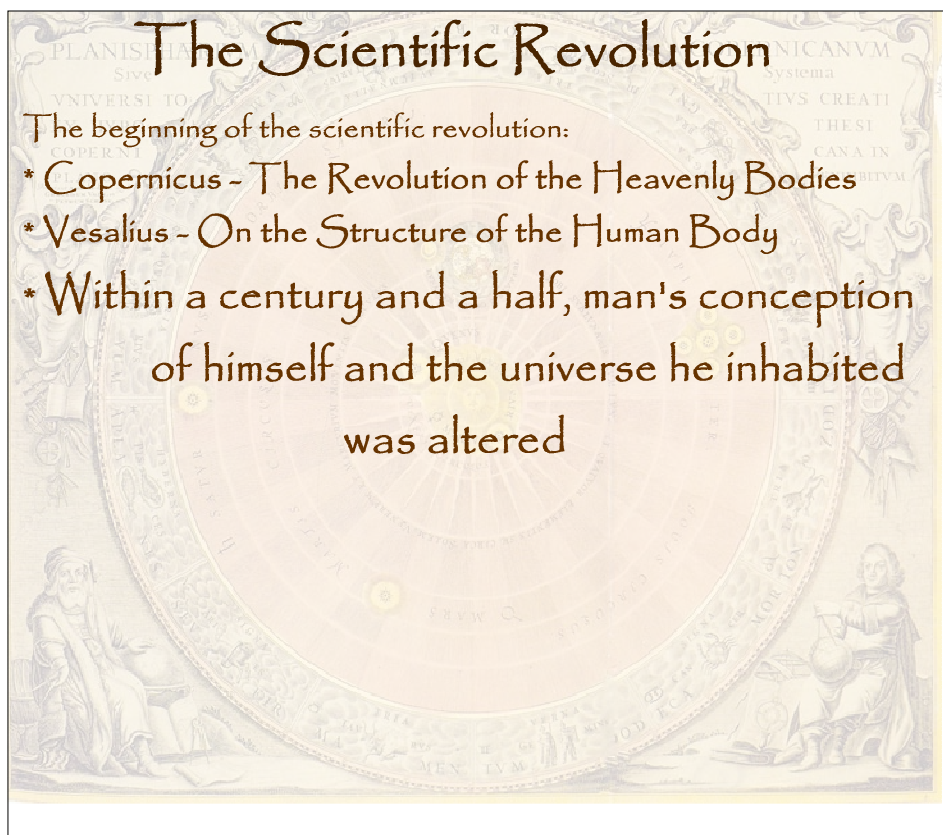
Table Talk Question 1:  
Are there any examples of new ideas that have been met with a reaction similar to that of the heliocentric theory?



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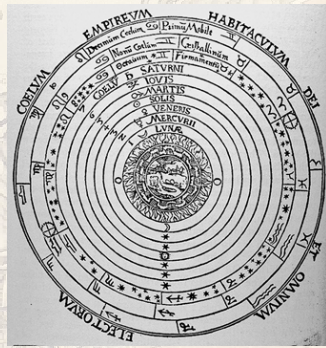
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## Ptolemy & the Geocentric Theory



- Early scientific thought was based a great deal of the work of Aristotle and Ptolemy. They believed that the earth was the center of the universe and that the sun and planets revolved around it.

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## Copernicus and the Heliocentric Theory

Copernicus believed the opposite was true, and published his findings just prior to his death in 1543.



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## Table Talk Question 2:

Why was the heliocentric theory received with such disdain by some?



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## Others supported the Copernican theory

Tycho Brahe  
Johannes Kepler  
Galileo Galilei


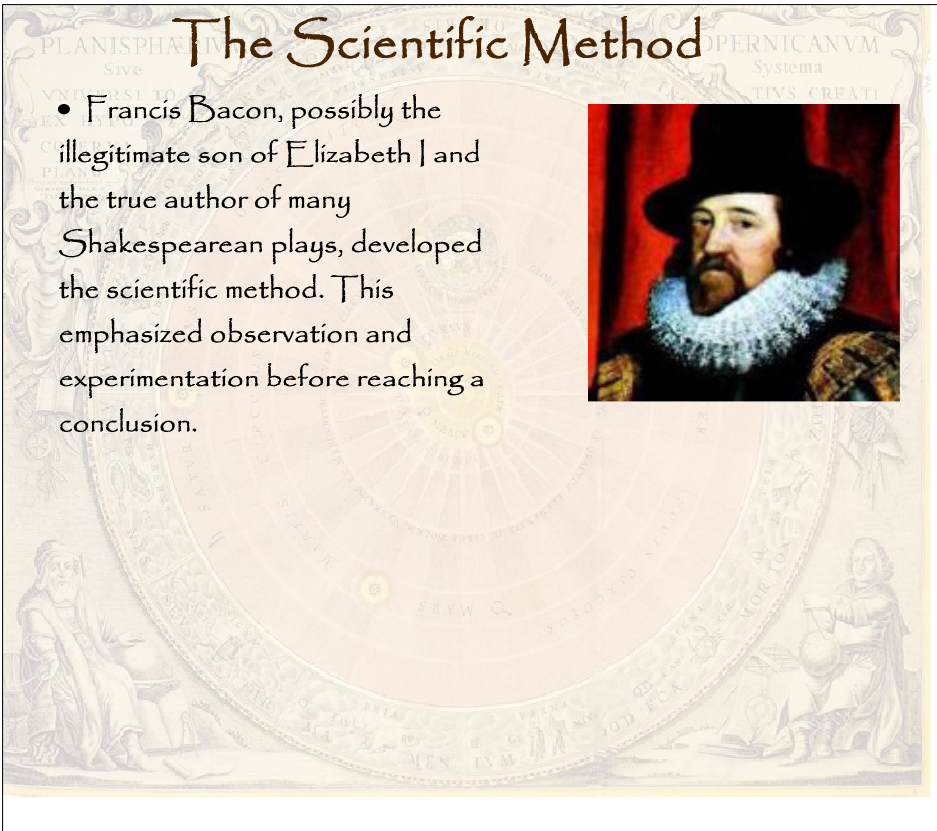


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# The Scientific Method

- Francis Bacon, possibly the illegitimate son of Elizabeth I and the true author of many Shakespearean plays, developed the scientific method. This emphasized observation and experimentation before reaching a conclusion.

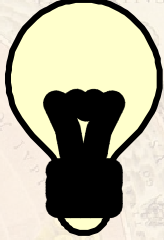

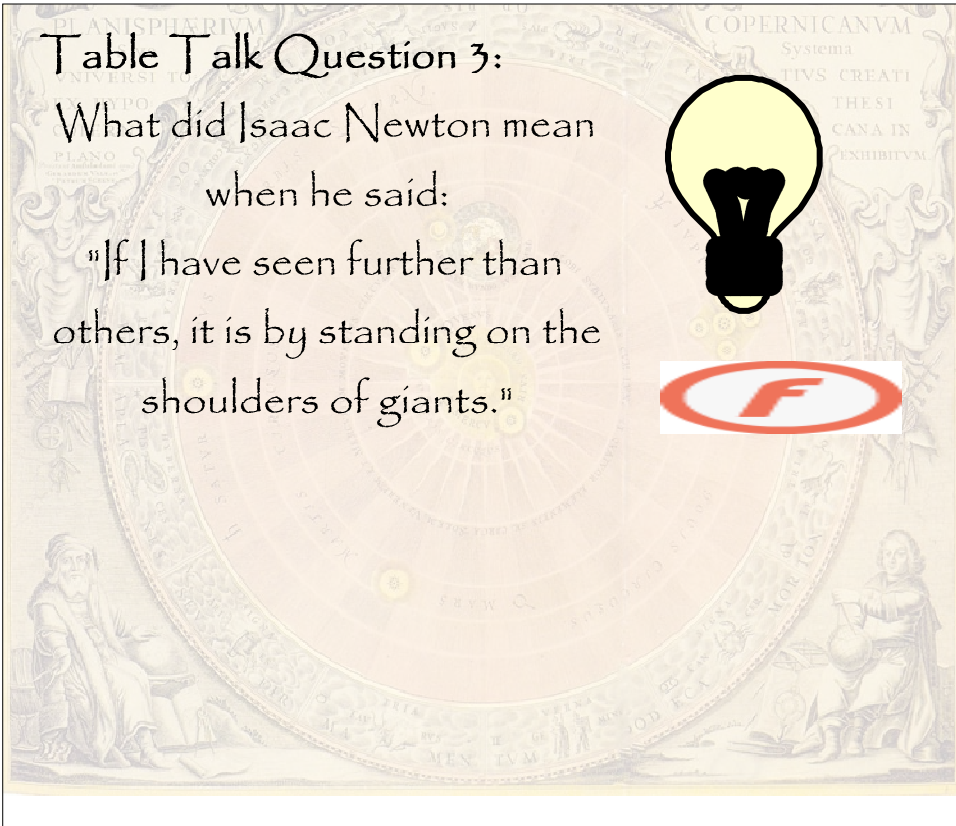



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## Table Talk Question 3:

What did Isaac Newton mean when he said:

"If I have seen further than others, it is by standing on the shoulders of giants."

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## Readings: Think about these questions

### Cardinal Bellermino

- What position does he hold about the position of the sun and earth?
- On what grounds did Cardinal Bellermino reject Copernican theory?
- Do you think he could be persuaded to accept Copernican ideas?

### Galileo

- How did he feel about biblical authority and science?
- According to him, how did people gather information about nature?

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## Salon Project

Meet in Resource Room tomorrow

Begin research on your thinker/scientist

You will have two days to research

Presentations will be Thursday & Friday

By Thursday, you should be finished with  
Ch. 18 1 & 2 study guide and Sources p. 29-31


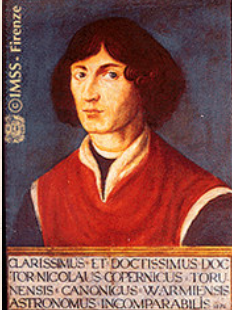

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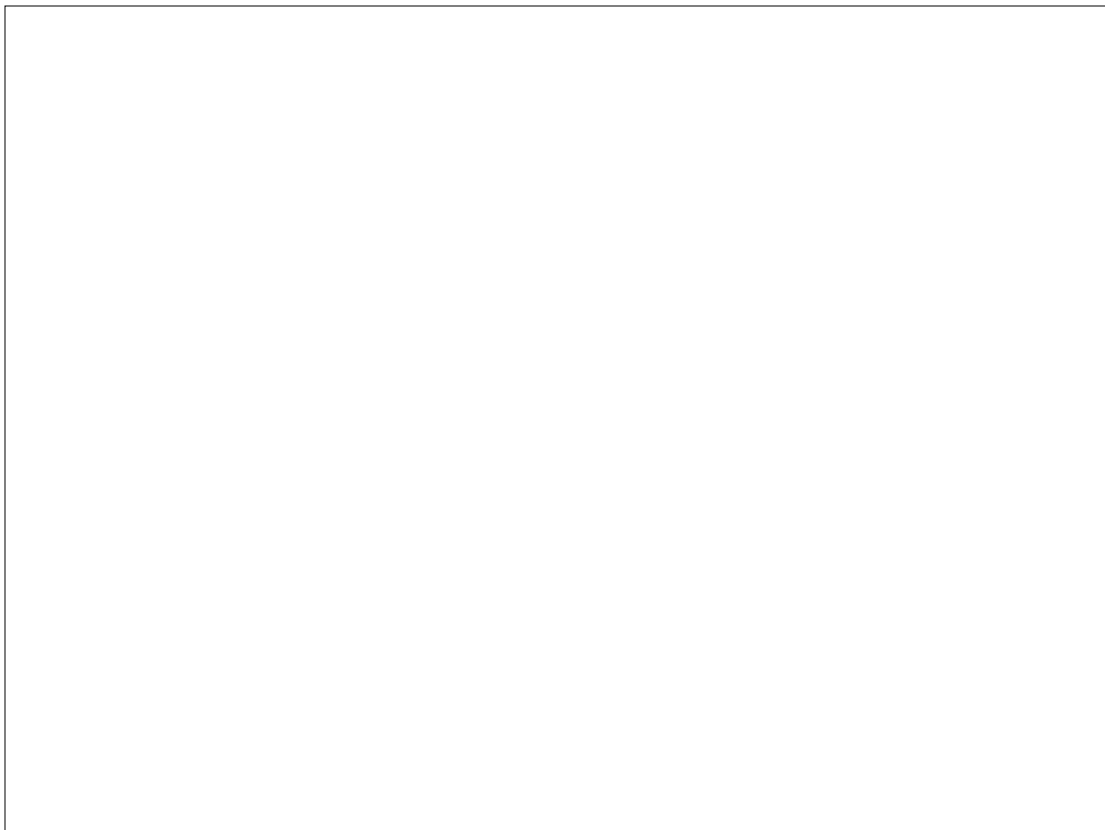
**Homework**

Sources of the Western Tradition

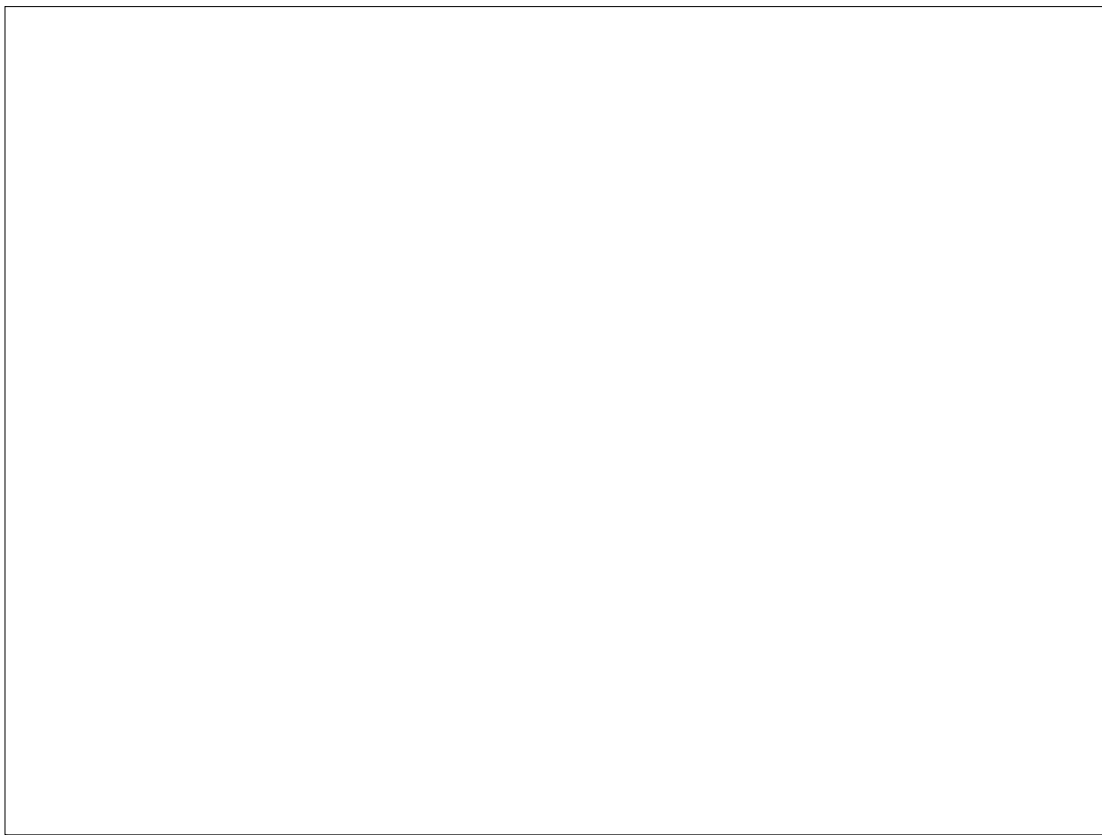
Pages 29-31 ~ Ch. 2 The Scientific Revolution ~ Write  
a document analysis on one of the excerpts for Wed.



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